

BOARD OF WATER COMMISSIONERS  
REGULAR MEETING OF SEPTEMBER 20, 2023

REGULAR MEETING: The regular meeting of the Board of Water Commissioners was held at the 438 Granby Road on Wednesday, September 20, 2023. Chair Eden DuPerier called the meeting to order at 5:00 p.m.

ATTENDANCE:	Chair	Eden DuPerier
	Associate Member	William L. Schenker
	Superintendent	Jeffrey Cyr
	Office Manager	Jennifer Fernandes
	Foreman	Jeffrey Levreault
	Treasurer/Clerk	Kari Scytkowski
	Prudential member	John Wojciechowski
	Resident	Mike DuPerier
	Resident	Pauline McClafin
	Resident	Brian McClafin
	Resident	Mitch Malinowski
	Resident	Al Zuffoletti
	3 Gentlemen Residents	

APPROVAL OF MINUTES: William L. Schenker made a motion to approve the minutes of July 31, 2023. This motion was seconded by Eden DuPerier. Motion Carried.

PROCESS OF SIGNING WARRANTS: Eden DuPerier wanted to be sure we explore all avenues of signing warrants in the event she or another Board member are away or unable to sign weekly warrants. Jeff Cyr suggested entertaining electronic signature, the only caveat with that is there may be multiple copies because of the electronic signature. Jeff stated that he doesn't mind getting warrants and bringing them around for signatures. Jeff stated that as long as we have 2 signatures we are in compliance. Eden asked what happens if 2 Board members are away. Jeff responded that the bills will still go out and paychecks are direct deposit so as long as we eventually get the 2 signatures to stay in compliance. Eden asked if the 2 signatures are a District policy or state policy. Treasurer, Kari Scytkowski responded it is a state requirement.

USDA GOOSE MANAGEMENT PROPOSAL: Jeff Cyr informed the Board that the USDA Management stopped by to tag a few of the geese that come to the Water Dept. reservoir. Jeff spoke to them about the increased number of geese that are here at the reservoir. This year in particular the number of geese went from about 30 to 150 geese at one time. Jeff said the reservoir this year was very green due to the algae and the goose feces. They are endangered, but the reservoir is in the flight path of Westover, so the USDA Management can irradiate them for a proposed fee of \$1600 (See Note 1). Eden asked if it prevents them from ever coming back. Jeff is not sure about that but the USDA Management lists using remote control vehicles, firearms, live capture and euthanizing as ways to eradicate them. Jeff said it has been a problem every year, but especially this year. William Schenker made a motion to approve \$1600 to have the USDA Management eradicate the Geese from the reservoir.

This motion was seconded by Eden DuPerier.  
Jeff will keep the Board updated on the process.

Motion Carried

#### SPECIAL DISTRICT MEETING DEBRIEF:

Eden DuPerier wanted to summarize what happened at the last District Special Meeting. She had spoke out at the Special Meeting asking if a joint district meeting could be held at a safe, handicap accessible building, so people are not crossing Rt. 116 or having to hike up the hill to get into the building. After the meeting she sent out an email on behalf of the Water Board to the Prudential and Water Board members. Eden asked that Water Board members be consulted when establishing a date and time for future district wide meetings, as well as a convenient handicap accessible location for the public to attend. The meeting was at the Fire Station in the meeting room and many people had to stand at the back of the room and in the hallway. Eden said there are so many places in town that have better parking, seating, lighting and are handicap accessible. Eden would like to add an article on the Annual Meeting warrant that in the future district wide meetings have to be held in a location that is ADA compliant. Resident Mitch Malinowski said he called the Mass. State Ethics Commission and spoke to them and they said the state law says that an any open meeting has to be ADA compliant for handicap people. Mitch also contacted the Building Commission who is going to reach out to the Town Administrator about this. Eden will contact the State Ethics as well on behalf of the Water Board. William Schenker said it is against the law to park on Rt. 116, and traditionally the local police would not enforce this. He said we've been lucky so far that no one has been hit crossing the road and that no serious accidents have occurred. However, when there is one, we will get sued, the district will pay, and subsequently it will be too late. Resident Mitch Malinowski asked if the meeting posting could be posted at the Senior Center as a lot of people go there for events. Jeff Cyr said the current Senior Center Director is leaving and maybe when a new director is hired, we can address having meeting postings there.

#### VERIZON WIRELESS ON ALVORD ST. TANK:

Jeff Cyr updated the Board that Verizon has reached out to him again as the previous request to the Prudential Board went unresponsive and nothing had happened. There has since been a by-law change at the Annual Meeting that gives the Water Board authority to now negotiate rent changes. Attorney Beauregard has reviewed the Verizon proposal, and all parties were sent the information. The proposal came to Jeff for consideration again as Verizon is requesting a reduction in monthly rents from \$2909.50 down to \$2100.00 a month. Jeff told Verizon he would present the information to the Board and get back to them on behalf of the Board. Jeff noted that currently Verizon is upgrading all of their equipment on the tank, so they are not going anywhere right now. Jeff noted that we have already lost Sprint rents in the amount of \$35,000 a year, so he thinks it's worth a gamble saying no, unless the Board wants to counter. Eden DuPerier stated she doesn't see any reason to negotiate as we have already lost funds from Sprint. William Schenker agreed. So collectively, the Board rejected the proposed Verizon rent reduction. Jeff will notify them and copy Eden on their response.

## CAPITAL PLAN DISCUSSION:

Jeff Cyr put together a Capital Plan slide show and supplied hard copies of the slide show so those attending could follow along. (See Note 2) Jeff noted the history of Capital improvements that have occurred over the last 22 years have mostly been done by our maintenance crew and the total costs to date are \$3,675,840.35. Some of the examples Jeff listed in the presentation are: Alvord St. & Industrial Dr. Water Tanks, Ludlow Treatment Facility, Pressure Regulating valve vault, meter replacements and several street water main replacements. The district is responsible for 82 miles of water mains. (See pages 2-6). A total of 51 streets have upgraded water mains. A total of 64,026 ft. or 12.13 miles have been replaced by the Water Department Maintenance Crew. The only borrowing the district has incurred for water main projects was for Newton Street at a zero percent loan which has only 4 years remaining to pay off. Jeff showed some of the aging infrastructure we had. This included Prospect St., which had corroded ductile iron that had only been in the ground since 1998. West Summit Street where there was an old AC main that blew out on the outside of a valve, and a 6" main on Newton Street near Beers and Story Funeral Home. Future Capital Plans (See pages 8-10) consist of a new roof at the Ludlow Facility, both water tanks exterior painting, pressure regulating vault valve, maintenance facility roof, and paving the parking lot. The office furnace will need replacing (25 yrs. old) as well as new carpeting in the office, and trees will need to be removed around the reservoir. Several maintenance vehicles will need to be replaced along with replacing aging 20+ year water meters, as well as several streets water mains (pg. 9). Eden asked if there are ever any grants when funding these projects. Jeff responded that there have been a few small projects that have been done through mass grants the Town of South Hadley had gotten and we were included. Today the Water Dept. is performing work at an average of \$55/ft. The total cost would be \$675,000.00. If the work was to be put out for bid today, the cost would be approximately \$250/ft or \$3,000,000.00. Jeff concluded that with the rising costs of materials, health insurance, retirement, and fuel, the needs are significant and necessary in order to address the infrastructure concerns. Jeff showed a map of our water mains and areas where there was a failure in ductile iron pipe. Jeff noted that they had been told this pipe would last 100 years. Jeff showed several areas of the district where this pipe has failed, more so in the falls area where the ground is clay and leads to corrosion. William Schenker thanked Jeff for a great presentation and said the Board needs to seriously consider these needs, prioritize them, and consider an increase in rates as they have not been raised since 2017 (6 years). Eden said yes, they need to prioritize the needs without making the costs too great, and that she appreciates the maintenance crew for doing the work they do. Jeff stated that we don't have firm numbers yet for the second quarter billing but it was a rainy summer and just in August alone we used 7 million gallons less than last year. Jeff said if there is anything else the Board needs before the next meeting let him know and he will put this slideshow on the website for the public to view.

PUBLIC COMMENT/  
QUESTIONS:

Eden DuPerier wanted to add public questions and comments to the agenda as she has attended other meetings in the district where she or the public have not been allowed to ask questions. She feels it is important to have the public informed, and have input, as well as transparency. Resident Mitch Malinowski asked if the vacant Board member is ever going to return and has anyone inquired about maybe having him resign. William Schenker responded that he can't be blamed for his personal health, and there have been times that a person on a Board has been out for 6 months. Jeff Cyr said there are no provisions as this person is an elected official. Mitch doesn't mean anything harmful by it, it would just be nice if there were a complete Board. Bill said it definitely warrants a discussion and there is nothing in the state laws or by-laws that cover if an elected official is out for an extended period. Eden asked if there are any provisions to have zoom for him. Jeff said yes there is but you also have to open it up to the public and recognize all that are on the zoom. Resident Pauline McClaflin asked if the Water Dept. has talked about how to raise funds for the Capital projects that need to be accomplished. Jeff said yes, his plan this year is to show the Board a budget without any funding and then see where we would have to be for water rates and then slowly take some of the money out of surplus to fund the budget to see where those water rates will be. Last year we used about \$900,000 of our surplus to fund different things, and we don't have our surplus number yet. Jeff said he doesn't like to compare ourselves with other communities, but Easthampton just went up 20% on their water and 20% on sewer rates. Jeff will provide information to the Board and let them decide. Then we would let customers know 3 months prior to the increase taking place. A resident asked if the water rate from Quabbin is stable or does it increase. Jeff Cyr responded that he reaches out to Leo Norton around December for the rate to better budget for next year, and Leo will give Jeff a preliminary number. Jeff's guess is the rate will increase 2 or 3% for next year. The rate is set to the CVA (Chicopee Valley Aqueduct) which are 3 communities; Chicopee, Wilbraham and South Hadley. After the rate is set for the CVA then it is split between the 3 communities based on flow share. Kari Scytowski suggested the Water Board lead by example and have a meeting at the library or Senior Center to show how easy it is. Jeff Cyr said if the Board decides to do that then they should have a specific schedule (i.e.: the 2<sup>nd</sup> Wednesday of the month) so that Joe Rodio, Director, can schedule them in as there are many committees and boards that use the meeting room. Jeff can reach out to the Joe Rodio, Library Director, to see what the library schedule looks like and inquire if there is a night that can be established for a regular meeting. Eden and Bill said they can do a regular meeting and Bill concluded that he likes the earlier 5pm time.

GRAVES STREET  
WATER MAIN:

Jeff Cyr updated the Board that the maintenance crew is going to start replacing Graves Street, down in the falls. The Town of So. Hadley received an improvement grant for that street, but the water portion was not part of the grant. Jeff stated we will have to fund it ourselves but it is a short street, only about 450 feet long. Doing the street now will allow it to settle out so that the town can resurface the road and do new sidewalks in the Spring.

MOTION TO ADJOURN:

William L. Schenker made a motion to adjourn, which was seconded by Eden  
DuPerier. Motion carried

ADJOURNMENT:

Meeting adjourned at 6:05 p.m.

BOARD OF WATER COMMISSIONERS



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R. Scott Williams, Clerk

**COOPERATIVE SERVICE AGREEMENT  
BETWEEN THE  
SOUTH HADLEY WATER DEPARTMENT  
AND THE  
UNITED STATES DEPARTMENT OF AGRICULTURE  
ANIMAL AND PLANT HEALTH INSPECTION SERVICE (APHIS)  
WILDLIFE SERVICES (WS)**

**ARTICLE 1**

The purpose of this agreement is to cooperate in a wildlife damage management project as described in the attached Work Plan.

**ARTICLE 2**

APHIS WS has statutory authority under the Act of March 2, 1931 (46 Stat. 1468; 7 U.S.C.426-426b) as amended, and the Act of December 22, 1987 (101Stat. 1329-331, 7 U.S.C. 426c), to cooperate with States, local jurisdictions, individuals, public and private agencies, organizations, and institutions while conducting a program of wildlife services involving mammal and bird species that are reservoirs for zoonotic diseases, or animal species that are injurious and/or a nuisance to, among other things, agriculture, horticulture, forestry, animal husbandry, wildlife, and human health and safety.

**ARTICLE 3**

APHIS-WS and the SOUTH HADLEY WATER DEPARTMENT agree:

1. the SOUTH HADLEY WATER DEPARTMENT will provide payment to "USDA, APHIS" in the amount not to exceed \$1,600.00.

at the time of service: ☐ or upon receipt of quarterly bills: ☒

(Please check your preferred option. Quarterly bills are issued the first week of January, April, July and September for previous quarter's charges.)

2. The performance of wildlife damage management actions by APHIS-WS under this agreement is contingent upon a determination by APHIS-WS that such actions are in compliance with the National Environmental Policy Act, Endangered Species Act, and any other applicable federal statutes. APHIS-WS will not make a final decision to conduct requested wildlife damage management actions until it has made the determination of such compliance.
3. Nothing in this agreement shall prevent APHIS-WS from entering into separate agreements with any other organization or individual for the purpose of providing wildlife damage management services exclusive of those provided for under this agreement.
4. the SOUTH HADLEY WATER DEPARTMENT certifies that APHIS-WS has advised the SOUTH HADLEY WATER DEPARTMENT there may be private sector service providers available to provide wildlife damage management services that the SOUTH HADLEY WATER DEPARTMENT is seeking from APHIS-WS.
5. The performance of wildlife damage management actions by APHIS-WS under this agreement is contingent upon a determination by APHIS-WS that such actions are in compliance with the National Environmental Policy Act, Endangered Species Act, and any other applicable federal statutes. APHIS-WS will not make a final decision to conduct requested wildlife damage management actions until it has made the determination of such compliance.
6. The cooperating parties agree to coordinate with each other before responding to media requests on work associated with this project.

**ARTICLE 4**

This agreement is contingent upon the passage by Congress of an appropriation from which expenditures may be legally met and shall not obligate APHIS-WS upon failure of Congress to so appropriate. This agreement also may be reduced or terminated if Congress only provides APHIS-WS funds for a finite period under a Continuing Resolution.

**ARTICLE 5**

Pursuant to Section 22, Title 41, United States Code, no member of or delegate to Congress shall be admitted to any share or part of this agreement or to any benefit to arise there from.

**ARTICLE 6**

APHIS-WS assumes no liability for any actions or activities conducted under this agreement except to the extent that recourse or remedies are provided by Congress under the Federal Tort Claims Act (28 USC 1346(b), 2401(b), 2671-2680). This agreement is not a procurement contract (31 U.S.C. 6303), nor is it considered a grant (31 U.S.C. 6304). In this agreement, APHIS-WS provides goods or services on a cost recovery basis to nonfederal recipients, in accordance with all applicable laws, regulations and policies.

This agreement shall become effective August 2, 2023, and shall continue until December 31, 2023. This agreement may be amended or terminated at any time by mutual agreement of the parties in writing. Further, in the event the SOUTH HADLEY WATER DEPARTMENT does not, for any reason, provide necessary funds, APHIS-WS is relieved of the obligation to provide services under this agreement.

As required by Debt Collection Improvement Act of 1996:

SOUTH HADLEY WATER DEPARTMENT's Tax ID No: \_\_\_\_\_

USDA-APHIS-WS's Tax ID: 41-0696271

**SOUTH HADLEY WATER DEPARTMENT**

Jeffrey Cyr  
Superintendent – Fire District No 1  
438 Granby Rd  
South Hadley, MA 01075

**USDA-APHIS-Wildlife Services**

Donald J. Wilda  
State Director, MA, CT, and RI  
463 West Street  
Amherst, MA 01002

Cooperator's Signature

Date

APHIS-WS State Director's Signature

Date

*Note 1 - Minutes 9/20/2023  
4 pages pg. 1*

## WORK PLAN

**Wildlife Species:** Canada goose

**Description of Damage:** Disease threat, fecal droppings, aggression, and overgrazing

**Location:** Leaping Wells Reservoir, 438 Grandy Rd South Hadley, MA 01075

**Services Provided:** WS will conduct control visits for harassment and removal of Canada geese through the use of remote-control vehicles, firearms/air rifle and/or live capture and euthanization. Control will be conducted from 2 August 2023 to 31 December 2023 during site visits to be scheduled in coordination between SOUTH HADLEY WATER DEPARTMENT and WS.

Any geese live captured will be euthanized off site using AVMA approved methods, and any geese lethally taken may be donated for human or animal consumptions and/or disposed of at Wildlife Services discretion. If the SOUTH HADLEY WATER DEPARTMENT is contacted by the media or member of the public, they may forward any calls or e-mails to WS Amherst Office so information about the program can be distributed accordingly.

(All activities will be conducted with both regular and overtime hours worked as necessary to accomplish the objectives of the program.)

## FINANCIAL PLAN

The distribution of the budget from this Financial Plan may vary as necessary to accomplish the purpose of this agreement but may not exceed **\$1,600.00**.

Cost Element		Full Cost
Personnel Compensation		\$753.49
Travel		\$0.00
Vehicles		\$45.36
Other Services		\$199.42
Supplies and Materials		\$37.07
Equipment		\$223.02
Subtotal (Direct Charges)		\$1,258.36
Pooled Job Costs	11.00%	\$138.42
Indirect Costs	16.15%	\$203.22
Aviation Flat Rate Collection		\$0.00
<b>Agreement Total</b>		<b>\$1,600.00</b>
The distribution of the budget from this Financial Plan may vary as necessary to accomplish the purpose of this agreement, but may not exceed: <b><u>\$1,600.00</u></b>		

### **Financial Point of Contact:**

**Jeffrey Cyr**

South Hadley Water Department  
Superintendent – Fire District No. 1  
438 Granby Rd  
South Hadley, MA 01075  
Cell: 413-575-2194  
Office: 413-532-0666  
Email: Jacyr@shdistrict1.org

**Dawn M. Wanczyk**

Budget Analyst  
USDA, APHIS, Wildlife Services  
463 West Street  
Amherst, MA 01002  
Phone: 413-253-2403 ext. 3  
Fax: 413-253-7577  
Email: Dawn.M.Wanczyk@usda.gov





According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0335. The time required to complete this information collection is estimated to average 5 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

**OMB Approved**  
0579-0335  
EXP: 09/2022

**UNITED STATES DEPARTMENT OF AGRICULTURE  
ANIMAL AND PLANT HEALTH INSPECTION SERVICE  
WILDLIFE SERVICES**

**WORK INITIATION DOCUMENT FOR  
WILDLIFE DAMAGE MANAGEMENT**

<b>SECTION 1</b>	1. WORK INITIATION DOCUMENT NUMBER 25120				2. STATUS <input type="checkbox"/> NEW <input checked="" type="checkbox"/> RENEWAL <input type="checkbox"/> NATIONAL WILDLIFE RESEARCH CENTER			
	3A. TYPE OF WORK INITIATION DOCUMENT (mark all that apply)  <input checked="" type="checkbox"/> PRIVATE PROPERTY <input type="checkbox"/> NON-PRIVATE PROPERTY <input type="checkbox"/> TEMPORARY/CIVIL  <input type="checkbox"/> ADJACENT LANDOWNER <input type="checkbox"/> AMENDMENT TO AN EXISTING WORK INITIATION DOCUMENT				3B. ASSIGN TO THESE SPECIAL GROUPS (1) _____ (2) _____ (3) _____ (4) _____			
<b>SECTION 2</b>	4. COOPERATOR NAME (last, first, MI) Cyr, Jeffrey							
	5. COOPERATOR MAILING ADDRESS 438 Granby Rd. South Hadley, MA 01075							
	6. COMMON NAME South Hadley Water Department				7. COOPERATOR TELEPHONE NUMBER (413) 575-2194			
	8. OWNER OR REPRESENTATIVE NAME (if different from Cooperator)				9. OWNER OR REPRESENTATIVE TELEPHONE NUMBER			
10. OWNER OR REPRESENTATIVE ADDRESS (if different from Cooperator)								
<b>SECTION 3</b>	11. PROPERTY / LAND CLASS INFORMATION				12. ADJOINING PROPERTY WID NO.'s		13. TARGETED SPECIES	
	COUNTY	PROPERTY	LAND CLASS	ACRES				
	A. Hampshire	Leaping Wells Res	City	21.4	A.		A. Canada geese	F.
	B.				B.		B.	G.
	C.				C.		C.	H.
	D.				D.		D.	I.
	E.				E.		E.	J.
STATE MA		TOTAL ACRES		21.4	<input type="checkbox"/> 14. There are additional targeted species (complete and attach WS Form 12 Addendum)			
<b>SECTION 4</b>	15. In consideration of the benefits to be derived from the proper management of damage caused by those species listed in Item 13 (and Item 14 if applicable), I, the undersigned Cooperator or Cooperator's representative, do hereby give my consent and concurrence to the Animal and Plant Health Inspection Service (APHIS) (to include its officials, employees, and agents) to use, upon lands owned, leased, or otherwise controlled by me, and identified by this Work Initiation Document, the following methods and devices (COMPONENTS):							
	A. Firearms				B. Nets, CODA Gun/Launcher		C. Nets, Hand/Dip	
	D. Trap, Cage				E. Hand Caught/Gathered		F. Pneumatics	
	<input checked="" type="checkbox"/> 16. There are additional methods (complete and attach WS Form 12 Addendum)							
<b>SECTION 5</b>	17. I, the Cooperator or Cooperator's representative, have been informed of the methods and the manner in which the control materials and devices listed in Section 4 will be used, and of the possible hazards associated with their use. I understand that APHIS (to include its officers, employees, and agents) will exercise reasonable precautions to safeguard all persons to prevent injury to animal life other than those listed in Section 3, Item 13 (and Item 14, if applicable); guard against the mishandling of control devices and materials; and exercise due caution and proper judgment in all wildlife damage management operations. I understand that APHIS WS will maintain restricted use pesticide application records on applications made under the Work Initiation Document, and that APHIS WS will provide copies of the records or record information promptly upon the property owner's or cooperator's request. I understand that APHIS WS may collect Global Positioning System (GPS) coordinates at the project site as part of component or activity tracking or as wildlife disease monitoring or research data. As a Lessee, the Cooperator agrees that the lease is current and will remain so while APHIS WS conducts operational activities on the property, and will notify WS if the lease expires or is canceled. The Lessee agrees to notify the landowner about any methods or devices (components) in use by APHIS WS on the property.							
	18. In consideration of these understandings and of the benefits to be derived, I, the Cooperator or Cooperator's representative, agree to take reasonable precautions to prevent injury to livestock and other domestic animals; assume responsibility for injury to my property under my control when said injury is not the result of negligence on the part of APHIS; assist in maintaining such warning signs as APHIS may place for the purpose of notifying persons entering onto such lands of the possible hazards associated with wildlife damage management measures in use thereon; and to give adequate warning of these possible hazards to persons I authorize to enter onto such lands. Further, in recognition of the benefits to be derived from the use of specified methods and devices authorized by this Work Initiation Document, I, the cooperator or cooperator's representative, agree not to concurrently use or allow to be used upon lands covered by this Work Initiation Document any toxic material that might reasonably be expected to take a species listed above in Section 3, Item 13 (and Item 14, if applicable), unless such use of said toxicant is agreed to by APHIS in writing.							
19. SPECIAL CONSIDERATIONS								
20A. LANDOWNER, LESSEE, OR ADMINISTRATOR NAME AND TITLE Jeffrey Cyr, Superintendent					20B. SIGNATURE 		20C. DATE 9-22-23	
21A. APHIS REPRESENTATIVE NAME Justin Willey, Staff Biologist					21B. SIGNATURE 		21C. DATE	
21D. APHIS REPRESENTATIVE TELEPHONE NUMBER (617) 634-9330					21E. STATE OFFICE ADDRESS 463 West St Amherst, MA 01002			



According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0335. The time required to complete this information collection is estimated to average .059 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

OMB Approved  
0579-0335

**UNITED STATES DEPARTMENT OF AGRICULTURE  
ANIMAL AND PLANT HEALTH INSPECTION SERVICE  
WILDLIFE SERVICES**

**ADDENDUM TO A WORK INITIATION DOCUMENT**

1. 25120 South Hadley Water  
Work Initiation  
Document Number

2. 07 / 24 / 2023  
MM DD YYYY

**Instructions**

1. In box 1, enter the number of the Work Initiation Document for which this addendum is completed.
2. Enter the date the Addendum is completed in box 2. Enter as MM-DD-YYYY.
3. In boxes 3 and 4, enter additional species that will be addressed and additional components to be used.
4. Obtain the signature of Cooperator with the date signed.
5. Obtain WS Employee signature.
6. Provide copies for each copy of the Work Initiation Document.

**3. Additional Species**

- |          |           |           |
|----------|-----------|-----------|
| 1. _____ | 9. _____  | 17. _____ |
| 2. _____ | 10. _____ | 18. _____ |
| 3. _____ | 11. _____ | 19. _____ |
| 4. _____ | 12. _____ | 20. _____ |
| 5. _____ | 13. _____ | 21. _____ |
| 6. _____ | 14. _____ | 22. _____ |
| 7. _____ | 15. _____ | 23. _____ |
| 8. _____ | 16. _____ | 24. _____ |

**4. Additional Components to Be Used**

- |   |           |           |
|---|-----------|-----------|
| 1. <u>Traps, Corral</u>                 | 9. _____  | 17. _____ |
| 2. <u>Unmanned Aerial Vehicle (UAV)</u> | 10. _____ | 18. _____ |
| 3. <u>Cars/Trucks</u>                   | 11. _____ | 19. _____ |
| 4. <u>Physical Actions (Hand/Voice)</u> | 12. _____ | 20. _____ |
| 5. <u>Remote Control Vechicles</u>      | 13. _____ | 21. _____ |
| 6. <u>Boats</u>                         | 14. _____ | 22. _____ |
| 7. <u>Prebait</u>                       | 15. _____ | 23. _____ |
| 8. <u>Monitoring Camera</u>             | 16. _____ | 24. _____ |

Cooperator Signature  Date 9-22-23

WS Employee Signature \_\_\_\_\_ Date \_\_\_\_\_

## Water Department – Fire District No.1

# Capital Plan discussion

## History of Capital improvements

The Water Department – Fire District No.1 has made significant improvements within the distribution system over the last 22 years. Other improvements have been made prior to information contained within this presentation.

Water infrastructure across the country is aging and in need of replacement. The Fire District has done a great job addressing those concerns historically, but we have a long way to go. Total cost of the improvements to date is **\$3,675,840.35**.

Some examples of those improvements are as follows:

*Note 2 - Minutes (11 pages)  
9/20/2023*

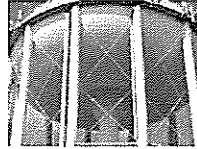
## Alvord St Water Tank @14 Mulligan Dr. 1.5 Million Gallons

- Exterior Tank Painting      2003      \$799,000.00

Coating has a projected life span of 15 to 20 Years. Tank was evaluated by Core Tek in November of 2022 and recommended an overcoat in 3-5 years and would extend the current coating system an additional 8-10 Years. Alternatively, a full blast of the exterior and re-coating would provide a coating lifespan of 25-30 years.

- Interior Tank Painting      2015      \$683,000.00

Coating system was a 30 mil plural component system that has a projected lifespan of 30+ years. The District is required to perform interior inspections every 3-5 years. Last inspection and interior cleaning was 2021.



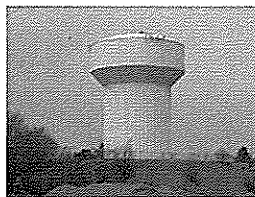
## Industrial Dr. Tank @ 8 Industrial Dr. 1.5 Million Gallons

- Exterior Tank Painting    2005    \$403,131.00

Same language from Core Tex applies to this tank. Coating System is in exceptional condition. Water Dept. Staff performed spot repairs in the fall of 2022 to address rust areas.

- Interior Tank Painting    2010    \$ 399,425.00

The District is required to perform interior inspections every 3-5 years. Last inspection and interior cleaning was 2019.

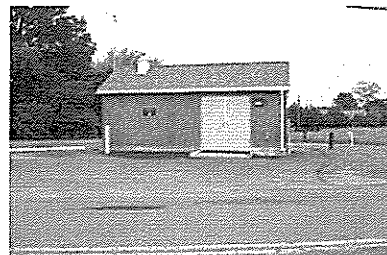
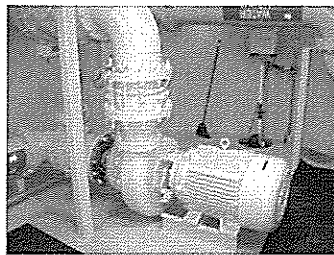




## Ludlow Treatment Facility @444 Fuller St. Ludlow

- Upgrade to Ludlow Facility 2006 \$1,089,000.00

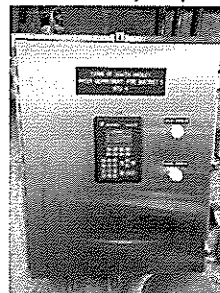
Upgrade included the installation of a 100 Horsepower booster pump. The District Bonded for this project through the State Revolving Fund (presently Clean Water Trust) for a 20 year note at 2% interest. The Bond will be fully paid in July of 2025.



## Pressure Regulating Valve Vault@ So. Hadley/ Granby Line on New Ludlow Rd.

- Implementation of SCADA System 2001 \$240,000.00
- PLC's were upgraded in 2021 \$55,000.00
- Valve was rebuilt in 2022 \$ 7,284.25

Implementation included re-building of the valve and installing programmable logic controllers at 4 locations within the district as well as the Ludlow Facility as part of the upgrade.



# Water Main Replacement

- The Fire District No. 1 is responsible for maintaining approximately 82 miles of watermains.
- The Following Excel spreadsheets on the next 4 slides indicate all of the watermains that have been replaced within the last 22 years. In addition, there were water mains that were replaced prior to 2002 and were all subcontracted out to install them. Thankfully most of the work in the following slides has been performed in-house maximizing funding and saving the ratepayers.

Street	Year	Water Main Replacement				Cost	Per Ft.
		D.I	PVC	Size	Length		
Lower Carew St.	FY02	\$ 8.75		8"	400	\$12,321.95	\$ 30.80
Upper Carew St.	FY03	\$ 8.85		8"	160	\$19,941.47	\$124.63
Park Ave.	FY03	\$ 8.49		8"	600	\$17,596.19	\$ 29.33
Lawn St.	FY04	\$ 8.44		8"	1550	\$41,178.45	\$ 26.57
Bardwell St.	FY04			8"	4000	\$97,772.00	\$ 24.44
Joan St.	FY05		\$ 3.06	6"	460	\$14,548.60	\$ 31.63
Summit St.	FY05	\$ 12.00		8"	1900	\$57,509.62	\$ 30.27
Prospect St.	FY06	\$ 11.20		8"	1400	\$39,874.97	\$ 28.48
Lakeview Ave.	FY06		\$ 13.65	6"	400	\$14,993.61	\$ 37.48
Linden St.	FY07	\$ 13.52		8"	500	\$24,188.73	\$ 48.38
Viviani St.	FY07	\$13.70 / \$14.07		8"	1660	\$81,552.05	\$ 49.13



High St.	FY08	\$ 13.78	8"	1900	\$ 60,721.70	\$ 31.96
Abbey St.	FY09	\$19.89/\$24.43	12"	2980	\$ 149,580.40	\$ 50.19
Taylor St.	FY09	\$ 16.09	8"	1332	\$ 64,618.86	\$ 48.51
East Carew St.	FY09	\$ 15.75	6"	200	\$ 9,234.55	\$ 46.17
Camden St.	FY09	\$ 13.14	8"	800	\$ 33,923.89	\$ 42.40
Summit St.	FY09	\$ 13.14	8"	360	\$ 8,460.19	\$ 23.50
Between Lathrop and Bardwell St.						
Stewart St.	FY10	\$ 4.42	8"	550	\$ 11,084.49	\$ 20.15
Canal St.	FY10/11	\$ 15.16	8"	2700	\$ 129,712.07	\$ 48.04
Linda St.	FY10/11	\$ 16.10	8"	1000	\$ 35,505.00	\$ 35.51
Brainerd St.	FY11/12	\$16.46/\$16.20	8"	2500	\$ 127,101.60	\$ 50.84
Between Pine St. and Lyman St.						
Williamsett St.	FY12	\$ 18.11	8"	900	\$ 46,865.84	\$ 52.07
Between Laure Ave. and Hollywood St.						
Hollywood/ Tampa	FY13	\$ 21.65	8"	2650	\$ 116,779.04	\$ 44.07

Carlton St.	FY13	\$18.82/\$21.65	8"	700	\$ 31,933.52	\$ 45.62
Mt. View St.	FY13/14	\$ 19.01	8"	2500	\$ 108,320.50	\$ 43.33
Buttery Brook Park	FY14	\$ 18.87	8"	600	\$ 11,322.00	\$ 18.87
Margaret St.	FY14	\$ 19.00	8"	500	\$ 15,140.09	\$ 30.28
Judd Ave.	FY15	\$ 6.61	8"	1861	\$ 77,852.20	\$ 41.83
Highland Ave.	FY15	\$ 6.72	8"	1600	\$ 59,701.59	\$ 37.31
Fulton/Dayton St.	FY16	\$ 6.10	8"	1450	\$ 51,914.98	\$ 35.80
Newton St.	FY16	####	12"	500	\$ 76,975.00	\$ 153.95
Chestnut Hill Rd.	FY16	\$ 5.82	8"	400	\$ 6,883.00	\$ 17.21
Washington Ave.	FY16	\$ 5.55	8"	1300	\$ 48,624.53	\$ 37.40
Hildreth Ave.	FY16	\$ 5.47	8"	1300	\$ 40,776.37	\$ 31.37
Dover Rd.	FY17	\$ 5.79	8"	350		

Brittany Rd.	FY17	\$ 5.79	8"	800		
Harwich Place	FY17	\$ 5.79	8"	260		
Frederick Pl.	FY17	\$ 5.79	8"	140	\$ 49,791.33	\$ 32.12
Camden St.	FY18	\$ 5.45	8"	420	\$ 10,457.12	\$ 24.90
Berwyn St.	FY18	\$ 7.86	8"	500	\$ 10,404.67	\$ 20.81
Newton St.	FY18/19		12"	6053	\$ 1,300,000.00	\$ 214.77
Hildreth Ave. (2)	FY19	\$ 7.19	8"	1100	\$ 33,000.00	\$ 30.00
Susan Ave.	FY20	\$ 6.45	8"	1360	\$ 51,640.33	\$ 37.97
Gaylord St.	FY19		10"	900	Grant	
Boynton Ave.	FY20	\$ 6.42	8"	2700	\$ 116,973.39	\$ 43.32
Berwyn St.	FY21	\$ 8.28	8"	950	\$ 31,780.66	\$ 33.45
Searle Rd.	FY21	\$ 9.90	8"	1500	\$ 68,986.36	\$ 45.99
School St.	FY22/23	\$21.00	8"	1480	\$ 115,268.00	\$ 77.88
Pittroff Ave.	FY23/24	\$21.95	8"	1900	\$ 116,513.23	\$ 61.32

In summary, a total of 51 streets have upgraded water mains. Some mains were funded through grants and other monies as indicated in red. Here is a summary of those efforts.

- A total of **64,026 ft.** or **12.13 miles** of water main have been replaced.
- Total cost of those replacements **\$ 3,564,476.47**. The Newton St. Watermain was the only borrowing the District incurred with a 0% loan for 10 years from the MWRA. There is 4 yrs. remaining on loan @\$203,000.00 per year.

## Future Capital Needs

As mentioned previously, the District has done a great job addressing a lot of the appurtenances within the distribution system. As you can see, those improvements were completed within the last 23 years. In addition, there is an extensive list of improvements that need to be addressed in future years to come. As you may, or may not be aware, these improvements need to be paid from sources within the Water Dept. budget. Examples of those sources are the following:

- Water Available Surplus (monies left over from previous fiscal year, Cell tower rental revenue, excess water receipts.)
- Stabilization Funds (Savings accounts from monies appropriated from Surplus)
- Water Rates (receipts) (**Water Rates established by the Board of Water Commissioners**)
- Borrowing in the form of loans

## Current Balances in Accounts

- Water Stabilization \$711,508.89
- Water Tank Stabilization \$924,770.89
- Critical Infrastructure Stabilization \$243,772.03
- OPEB Trust Acct. \$372,61.10 (Future Health insurance funding)
- Water Available Surplus ???????
- Water Rate is currently \$3.92/ hcf since 2017

## Capital Needs by Category

### Ludlow Facility

- New Roof 1-2 yrs. Est. \$5000.00

### Alvord St. Water Tank

- Exterior Painting 3-5 yrs. Est. \$1,500,00.00
- Interior Painting (no Est. at this time Continue to monitor through inspections)
- Rebuild Altitude Valve 2-3 years Est. \$5,000.00

### Industrial Dr. Water Tank

- Exterior Painting 5-10 years Est. \$1,500,00.00
- Interior Painting (no Est. at this time Continue to monitor through inspections)
- Rebuild Altitude Valve 2-3 years Est. \$5,000.00

### Pressure Regulating Valve Vault

- Re-building of Valve 5-10 years Est. \$10,000.00

## Capital Needs by Category Cont.

### Maintenance Facility

- New Flat Roof 5-10 years est. \$40,000.00
- New Shingle Roof 20-25 years. (no est. at this time)
- New Paved lot 10-15 years. (no est .at this time)

### Office Building

- Furnace replacement. Current furnace is 20 years old
- Replacement of carpet
- Tree removal behind along edge of reservoir

### Vehicles

- Replacement for W-4 (2012) 3-5 yrs. Est. \$100,000.00
- Replacement of W-3 (2016) 5-10 yrs. Est. \$75,000.00
- Replacement of W-5 (2004) 5-10 yrs. Est. \$150,000.00
- Replacement of W-7 (2007) 1-2 yrs. Est. \$ 75,000.00 (obsolete parts)

## Capital Needs by Category Cont.

### Water Meters

- The District has been slowly changing water meters by upgrading to new Iperl ultrasonic meters. Iperls have a 20 year battery life and are throw away.
- A total of 3300 meters are needed at a current cost of \$160.05 each for a total cost \$528,165.00.
- Can be replaced over the next 10 years in order to be complete.

## Capital Needs by Category Cont.

### Water Mains

- Lincoln St. (1950) 8" AC 2600 ft.
- Roosevelt Ave. (1966) 8" AC 2000 ft.
- Spring St. ext. (1963) 8"AC 820 ft.
- Pleasant St. (1964) 8" AC 500 ft.
- South Main St. (1955) 6"CI 650 ft. (details)
- Pittroff Ave. (1958) 8" AC 1400 ft.
- Berwyn St. ext. (1962) 8" AC 1000 ft.
- Brainerd St. (1951) 8" AC 3315 ft.
- 16" pipeline (1951) from our take-off in Ludlow AC 36,960 ft. (7 miles)



## Capital Needs Cont.

### Cost of Replacement

Total length of all streets is 12,285 ft. (excluding 16" pipeline)

Today, the Water Dept. is performing the work @ an average of \$55.00 per ft. The total cost would be \$675,000.00

If the work was to be put out for bid at today's bid price, the cost would be @ approx. 250/ft. with a total cost of \$3,000,000.00

## Conclusion

The future capital needs are significant and necessary in order to address the nationwide infrastructure concern. Municipal budgets are grappling with increased operational costs such as Health insurance, retirement, employee retention, material and fuel increases, etc.

As identified in previous slides, funding sources are limited within our operation and will fall short in order for the capital needs to be adequately addressed.

Questions?